CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/KRIDL/W.No.13/CSR-05/338a/Pre Slab/2017-18

12.05.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CORE

*** Customer**	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
*** Agency**	:	**Technical Manager (West),** KRIDL, Bangalore.
*** Name of work**	:	Improvements of CC roads in 2nd,2nd A,12th A,12th B, 13th A, 13th B & 14th Cross Roads near old KEB office in Kalyananagara in Ward No.13, in Shettyhalli Sub Division, BBMP, Bangalore.
*** Reference**	:	BBMP/EE/DD/WO/39/2017-18 Dated: 20.04.2017
*** Sample ID**	:	Precast slab
*** Grade of Concrete**	:	M_{20}
Techinical Reference	:	IS:516-1959 (RA- 2013), SP-24:1983.
Sample Received on	:	10.05.2017
Date of Testing	:	12.05.2017

Sl. No	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	79.00	0.400	2578.71	1.58	0.955	29.80	15.18	16.39	17.17	21.46
2	50.00	80.00	0.402	2559.21	1.60	0.957	34.50	17.57	18.98	18.16	22.70
3	50.00	81.00	0.399	2508.75	1.62	0.959	32.47	16.54	17.86	17.13	21.41

* Information is furnished by the Customer/Representative

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⇒Any Query regarding the report must be reported within 30 days from the date of testing.

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VIDYARANI P.K.
Technical Manager

CIVIL-TECH CONSULTANTS AND ENGINEERS

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T-2377

Job No.: CTCE/BBMP/KRIDL/W.No.13/CSR-05/338a/Cube/2017-18 22.06.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

*** Customer**	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
*** Agency**	:	**Technical Manager (West),** KRIDL, Bangalore.
*** Name of the work**	:	Improvements of CC roads in 2nd,2nd A,12th A,12th B, 13th A, 13th B & 14th Cross Roads near old KEB office in Kalyananagara in Ward No.13, in Shettyhalli Sub Division, BBMP, Bangalore.
*** Reference**	:	BBMP/EE/DD/WO/39/2017-18 Dated: 20.04.2017
*** Sample ID**	:	Road Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
*** Grade of Concrete**	:	M_{30}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	22.06.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.05.2017	22.06.2017	8.134	752.3	33.44
2	25.05.2017	22.06.2017	8.247	724.5	32.20
3	25.05.2017	22.06.2017	8.329	714.2	31.74

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VIDYARANI P.K.
Technical Manager

AE-13

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾ[illegible] ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

CIVIL-TECH CONSULTANTS AND ENGINEERS

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T-2377

Job No.: CTCE/BBMP/KRIDL/W.No.13/CSR-05/338a/Cube/2017-18

22.06.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

*** Customer**	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
*** Agency**	:	**Technical Manager (West),** KRIDL, Bangalore.
*** Name of the work**	:	Improvements of CC roads in 2nd,2nd A,12th A,12th B, 13th A, 13th B & 14th Cross Roads near old KEB office in Kalyananagara in Ward No.13, in Shettyhalli Sub Division, BBMP, Bangalore.
*** Reference**	:	BBMP/EE/DD/WO/39/2017-18 Dated: 20.04.2017
*** Sample ID**	:	Road Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
*** Grade of Concrete**	:	M_{30}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	22.06.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.05.2017	22.06.2017	8.147	713.5	31.71
2	25.05.2017	22.06.2017	8.258	733.1	32.58
3	25.05.2017	22.06.2017	8.369	722.4	32.11

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AE-13

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

VIDYARANI P.K.
Technical Manager

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Job No.: CTCE/BBMP/KRIDL/W.No.13/CSR-05/338a/Cube/2017-18

23.06.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

*** Customer**	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
*** Agency**	:	**Technical Manager (West),** KRIDL, Bangalore.
*** Name of the work**	:	Improvements of CC roads in 2nd,2nd A,12th A,12th B, 13th A, 13th B & 14th Cross Roads near old KEB office in Kalyananagara in Ward No.13, in Shettyhalli Sub Division, BBMP, Bangalore.
*** Reference**	:	BBMP/EE/DD/WO/39/2017-18 Dated: 20.04.2017
*** Sample ID**	:	Road Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
*** Grade of Concrete**	:	M_{30}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	23.06.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.05.2017	23.06.2017	8.017	702.2	31.21
2	25.05.2017	23.06.2017	8.264	726.1	32.27
3	25.05.2017	23.06.2017	8.321	730.5	32.47

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AE-13

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

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Job No.: CTCE/BBMP/KRIDL/W.No.13/CSR-05/338a/Cube/2017-18

24.06.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

*** Customer**	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
*** Agency**	:	**Technical Manager (West),** KRIDL, Bangalore.
*** Name of the work**	:	Improvements of CC roads in 2nd,2nd A,12th A,12th B, 13th A, 13th B & 14th Cross Roads near old KEB office in Kalyananagara in Ward No.13, in Shettyhalli Sub Division, BBMP, Bangalore.
*** Reference**	:	BBMP/EE/DD/WO/39/2017-18 Dated: 20.04.2017
*** Sample ID**	:	Road Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
*** Grade of Concrete**	:	M_{30}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	24.06.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.05.2017	24.06.2017	8.125	699.2	31.08
2	27.05.2017	24.06.2017	8.273	706.4	31.40
3	27.05.2017	24.06.2017	8.311	720.8	32.04

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AE-13

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Job No.: CTCE/BBMP/KRIDL/W.No.13/CSR-05/338a/Cube/2017-18 24.06.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

*** Customer**	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
*** Agency**	:	**Technical Manager (West),** KRIDL, Bangalore.
*** Name of the work**	:	Improvements of CC roads in 2nd,2nd A,12th A,12th B, 13th A, 13th B & 14th Cross Roads near old KEB office in Kalyananagara in Ward No.13, in Shettyhalli Sub Division, BBMP, Bangalore.
*** Reference**	:	BBMP/EE/DD/WO/39/2017-18 Dated: 20.04.2017
*** Sample ID**	:	Road Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
*** Grade of Concrete**	:	M_{30}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	24.06.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.05.2017	24.06.2017	8.134	706.8	31.41
2	27.05.2017	24.06.2017	8.236	728.4	32.37
3	27.05.2017	24.06.2017	8.388	753.1	33.47

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